

**AMENDMENTS TO THE CLAIMS:**

**Please amend the claims as follows.**

1. (Currently Amended) A management apparatus for managing memory capacity, comprising:

a data capacity management means that manages data capacity of remote mobile terminals that communicate with each other via a network;

a transmission judging means that judges, in response to a request for data from said network and a vacant storage capacity of a memory issued from a remote mobile terminal, whether said requested data is to be transmitted to ~~each of~~ said remote mobile terminal[[s]] is ~~transmitted or not,~~ by comparing said vacant storage capacity of ~~each of~~ said remote mobile terminal[[s]], which is managed by said data capacity management means, with the amount of said data to be transmitted to ~~each of~~ said remote mobile terminal[[s]]; and

a transmitting means that obtains some data for storing in ~~each of~~ said remote mobile terminal[[s]] and stores said obtained data and ~~lets~~ causes ~~each of~~ said remote mobile terminal[[s]] to make a new vacant storage capacity when said data to be transmitted were judged not to be transmitted, and transmits said data to be transmitted, which were judged not to be transmitted, to ~~each of~~ said remote mobile terminal[[s]] by using said new vacant storage capacity.

2. (Currently Amended) A management apparatus for managing memory capacity in accordance with claim 1, wherein[[:]], said data capacity management means

renews said vacant capacity of ~~each of~~ said remote mobile terminals, when ~~each of~~ said remote mobile terminals requests to obtain some data from said network, and manages said renewed vacant capacity.

3. (Currently Amended) A management apparatus for managing memory capacity in accordance with claim 2, wherein~~[[:]~~, said data capacity management means renews said vacant capacity of each of said remote mobile terminals by receiving the information of said vacant capacity from each of said remote mobile terminals and manages said renewed vacant capacity.

4. (Currently Amended) A management system for managing memory capacity, comprising:

a plurality of remote mobile terminals that communicate with each other via a network; and

a management server ~~having~~ including a data memorizing means that stores data from ~~each of~~ said plurality of remote mobile terminals, wherein:

~~each of~~ said remote mobile terminals, comprising:

a data obtaining request transmitting means that transmits a request for obtaining data from said network to said management server, and

said management server, comprising:

a data capacity management means that manages data capacity of ~~each of~~ said remote mobile terminals;

a transmission judging means that judges, in response to a request for data

from said network and a vacant storage capacity of a memory issued from a remote mobile terminal, whether said data requested by each of at least one of said remote mobile terminals is transmitted to each of said at least one of said remote mobile terminals ~~or not~~, by comparing said vacant storage capacity of each of said at least one of said remote mobile terminals, which is managed by said data capacity management means, with the amount of said data requested by said data obtaining request transmitting means; and

a transmitting means that obtains some data for storing in each of said at least one of said remote mobile terminals and stores said obtained data in said data memorizing means and ~~lets~~ causes each of ~~causes~~ said at least one of said remote mobile terminals to make a new vacant storage capacity when said data requested by each of said at least one of said remote mobile terminals were judged not to be transmitted, and transmits said data requested by each of said at least one of said remote mobile terminals, which were judged not to be transmitted, to each of said at least one of said remote mobile terminals by using said new vacant storage capacity.

5. (Currently Amended) A management system for managing memory capacity in accordance with claim 4, wherein~~[[:]]~~ ~~each of~~ said remote mobile terminals, further ~~comprising~~ comprises:

a data capacity renewing means that transmits the newest vacant capacity of ~~its own~~ said at least one of said remote mobile terminals to said management server, and makes said vacant capacity managing by said data capacity management means in said management server renew.

6. (Currently Amended) A management system for managing memory capacity in accordance with claim 5, wherein~~[[:]]~~ said data capacity renewing means transmits the newest vacant capacity of ~~its own~~ said at least one of said remote mobile terminals to said management server, and makes said vacant capacity managing by said data capacity management means in said management server renew, when said data obtaining request transmitting means transmits said request for obtaining data from said network to said management server.

7. (Currently Amended) A management system for managing memory capacity in accordance with claim 5, wherein~~[[:]]~~ said data capacity renewing means transmits the newest vacant capacity of ~~its own~~ said at least one of said remote mobile terminals to said management server, and makes said vacant capacity managing by said data capacity management means in said management server renew, at the time of the connection of an external instrument to an interface connector of ~~its own~~ said at least one of said remote mobile terminals.

8. (Currently Amended) A management system for managing memory capacity in accordance with claim 5, wherein~~[[:]]~~ said data capacity renewing means transmits the newest vacant capacity of ~~its own~~ said at least one of said remote mobile terminals to said management server, and makes said vacant capacity managing by said data capacity management means in said management server renew, at the time of the location registration of ~~its own~~ said at least one of said remote mobile terminals.

9. (Currently Amended) A management method for managing memory capacity at a management apparatus for memory capacity that manages data capacity of remote mobile terminals that communicate with each other via a network, in which said data capacity of ~~each~~ of said remote mobile terminals is managed, comprising ~~the steps of~~:

judging whether data is to be transm of the itted to ~~each of said a remote~~ mobile terminal[[s]] ~~is transmitted to each of said mobile terminals or not~~, in response to a request for data from a network and a vacant storage capacity of a memory issued from said remote mobile terminal, by comparing vacant capacity of ~~each of said remote~~ mobile terminal[[s]], which is managed by said management apparatus for memory capacity, with the amount of said data to be transmitted to ~~each of said remote~~ mobile terminal[[s]];

obtaining some data for storing in ~~each of said remote~~ mobile terminal[[s]] and storing said obtained data in said management apparatus for memory capacity, and ~~letting each of~~ causing said remote mobile terminal[[s]] to make a new vacant capacity when said data to be transmitted to each of said remote mobile terminal[[s]] were judged not to be transmitted; and

transmitting said data to be transmitted, which were judged not to be transmitted, to ~~each of said remote~~ mobile terminal[[s]] by using said new vacant capacity.

10. (Currently Amended) A management method for managing memory capacity in accordance with claim 9, further comprising ~~the step of~~:

renewing said vacant capacity of ~~each of said remote~~ mobile terminal[[s]] managing by said management apparatus for memory capacity and managing said renewed vacant capacity by said management apparatus for memory capacity when ~~each of said remote~~ mobile terminal[[s]] requests to obtain said data to be transmitted to ~~each of said remote~~

mobile terminal[[s]] from said network.

11. (Currently Amended) A management method for managing memory capacity in accordance with claim 10, wherein[:]] said vacant capacity of ~~each of~~ said remote mobile terminal[[s]] is renewed and managed by said management apparatus for memory capacity by receiving the information of said vacant capacity from ~~each of~~ said remote mobile terminal[[s]].

12. (Currently Amended) A management method for managing memory capacity at a management system for managing memory capacity, which provides remote mobile terminals that communicate with each other via a network and a management server that manages data capacity of ~~each of~~ said remote mobile terminals, in which said data capacity of each of said remote mobile terminals is managed, comprising ~~the steps of~~:

transmitting a request for obtaining data from said network by ~~each of said a~~ remote mobile terminal[[s]] to said management server;

judging whether said data requested by ~~each of~~ said remote mobile terminal[[s]] is transmitted to ~~each of~~ said remote mobile terminal[[s]] ~~or not~~, by comparing vacant capacity of ~~each of~~ said remote mobile terminal[[s]], which is managed by said management server, with the amount of said data requested by ~~each of~~ said remote mobile terminal[[s]];

obtaining some data for storing in ~~each of~~ said remote mobile terminal[[s]] and storing said obtained data in said management server, and ~~letting each of~~ causing said remote mobile terminal[[s]] to make new vacant capacity when said data requested by ~~each of~~ said remote mobile terminal[[s]] were judged not to be transmitted; and

transmitting said data requested by ~~each~~ of said remote mobile terminal[[s]], which were judged not to be transmitted, to ~~each~~ of said remote mobile terminal[[s]] by using said new vacant capacity.

13. (Currently Amended) A management method for managing memory capacity in accordance with claim 12, further comprising ~~the step of~~:

renewing said vacant capacity managing by said management server by transmitting the newest vacant capacity of ~~its own~~ said remote mobile terminal to said management server.

14. (Currently Amended) A management method for managing memory capacity in accordance with claim 13, wherein[[:]] said vacant capacity of ~~its own~~ said remote mobile terminal is renewed by ~~that~~ the newest vacant capacity of ~~its own~~ said remote mobile terminal is being transmitted to said management server[[,]] when said request for obtaining said data is transmitted to said management server.

15. (Currently Amended) A management method for managing memory capacity in accordance with claim 13, wherein[[:]] said vacant capacity of ~~its own~~ said remote mobile terminal is renewed by ~~that~~ the newest vacant capacity of ~~its own~~ said remote mobile terminal is being transmitted to said management server[[,]] at the time of ~~the~~ connection of an external instrument to an interface connector of ~~its own~~ said remote mobile terminal.

16. (Currently Amended) A management method for managing memory capacity in accordance with claim 13, wherein[[:]] said vacant capacity of ~~its own~~ said remote mobile

terminal is renewed by ~~that~~ the newest vacant capacity of ~~its own~~ said remote mobile terminal is being transmitted to said management server[[,]] at ~~the~~ a time of ~~the~~ location registration of ~~its own~~ said remote mobile terminal.

17. (Currently Amended) A management program on a computer-readable medium, said program including instructions executable by a computer for performing a management method for managing memory capacity at a management apparatus for memory capacity that manages data capacity of remote mobile terminals that communicate with each other via a network, in which said data capacity of each of said remote mobile terminals is managed, said method comprising:

[[a]] judging, ~~step that judges~~ in response to a request for data from a network and a vacant storage capacity of a memory issued from a remote mobile terminal, whether data to be transmitted to ~~each of said~~ a remote mobile terminal[[s]] is transmitted to ~~each of said~~ remote mobile terminal[[s]] ~~or not~~, by comparing vacant capacity of ~~each of said~~ remote mobile terminal[[s]], which is managed by said management apparatus for memory capacity, with the amount of said data to be transmitted to ~~each of said~~ remote mobile terminal[[s]];

~~an obtaining step that obtains~~ some data for storing in ~~each of said~~ remote mobile terminal[[s]] and [[a]] storing ~~step that stores~~ said obtained data in said management apparatus for memory capacity, and ~~a letting step that lets each of~~ causing said remote mobile terminal[[s]] make new vacant capacity when said data to be transmitted to ~~each of said~~ remote mobile terminal[[s]] were judged not to be transmitted; and

[[a]] transmitting ~~step that transmits~~ said data to be transmitted, which were judged not to be transmitted, to ~~each of said~~ remote mobile terminal[[s]] by using said new vacant



capacity.

18. (Currently Amended) A management program for managing memory capacity in accordance with claim 17, further comprising:

[[a]] renewing ~~step that renews~~ said vacant capacity of ~~each of~~ said remote mobile terminal[[s]] managing managed by said management apparatus for memory capacity and [[a]] managing ~~step that manages~~ said renewed vacant capacity by said management apparatus for memory capacity when ~~each of~~ said remote mobile terminal[[s]] requests to obtain said data to be transmitted to ~~each of~~ said remote mobile terminal[[s]] from said network.

19. (Currently Amended) A management program for managing memory capacity in accordance with claim 18, wherein[[:]] said vacant capacity of ~~each of~~ said remote mobile terminal[[s]] is renewed and managed by said management apparatus for memory capacity by receiving the information of said vacant capacity from ~~each of~~ said remote mobile terminal[[s]].

20. (Currently Amended) A management program on a computer-readable medium, said program including instructions executable by a computer for performing a management method for managing memory capacity at a management system for memory capacity, which provides remote mobile terminals that communicate with each other via a network and a management server that manages data capacity of each of said remote mobile terminals, in which said data capacity of each of said remote mobile terminals is managed,

said method comprising:

[[a]] transmitting ~~step that transmits~~ a request for obtaining data from said network by ~~each of said~~ a remote mobile terminal[[s]] to said management server;

[[a]] judging ~~step that judges~~ whether said data requested by ~~each of said~~ remote mobile terminal[[s]] is transmitted to ~~each of said~~ remote mobile terminal[[s]] ~~or not~~, by comparing vacant capacity of ~~each of said~~ remote mobile terminal[[s]], which is managed by said management server, with the amount of said data requested by ~~each of said~~ remote mobile terminal[[s]];

~~an obtaining step that obtains~~ some data for storing in ~~each of said~~ remote mobile terminal[[s]] and [[a]] storing ~~step that stores~~ said obtained data in said management server, and a ~~letting step that lets each of~~ causing said remote mobile terminals make new vacant capacity when said data requested by ~~each of said~~ remote mobile terminal[[s]] were judged not to be transmitted; and

[[a]] transmitting ~~step that transmits~~ said data requested by ~~each of said~~ remote mobile terminal[[s]], which were judged not to be transmitted, to ~~each of said~~ remote mobile terminal[[s]] by using said new vacant capacity.

21. (Currently Amended) A management program for managing memory capacity in accordance with claim 20, further comprising:

[[a]] renewing ~~step that renews~~ said vacant capacity managing by said management server by transmitting the newest vacant capacity of ~~its own~~ said remote mobile terminal to said management server.

22. (Currently Amended) A management program for managing memory capacity in accordance with claim 21, wherein~~[[:]]~~ said vacant capacity of ~~its-own~~ said remote mobile terminal is renewed by ~~that~~ the newest vacant capacity of ~~its-own~~ said remote mobile terminal is being transmitted to said management server~~[[,]]~~ when said request for obtaining said data is transmitted to said management server.

23. (Currently Amended) A management program for managing memory capacity in accordance with claim 21, wherein~~[[:]]~~ said vacant capacity of ~~its-own~~ said remote mobile terminal is renewed by ~~that~~ the newest vacant capacity of ~~its-own~~ said remote mobile terminal is being transmitted to said management server~~[[,]]~~ at ~~the~~ a time of ~~the~~ connection of an external instrument to an interface connector of ~~its-own~~ said remote mobile terminal.

24. (Currently Amended) A management program for managing memory capacity in accordance with claim 21, wherein~~[[:]]~~ said vacant capacity of ~~its-own~~ said remote mobile terminal is renewed by ~~that~~ the newest vacant capacity of ~~its-own~~ said remote mobile terminal is being transmitted to said management server~~[[,]]~~ at ~~the~~ a time of ~~the~~ location registration of ~~its-own~~ said remote mobile terminal.

25. (Currently Amended) A management system for managing memory capacity, comprising:

a plurality of remote mobile terminals that communicate with each other via a network; and

a management server that transmits data, ~~which each of~~ wherein at least one of said

plurality of remote mobile terminals ~~requested~~ requests said management server to obtain data from said network, for transmission to ~~each of~~ said remote mobile terminal[[s]], wherein:

~~each of~~ said remote mobile terminal[[s]], comprising:

[[a]] data storing means that stores data obtained from said network,

and

said management server, comprising:

[[a]] data memorizing means that stores data from ~~each of~~ said remote mobile terminal[[s]]; and

[[a]] judging means that judges whether said data requested by ~~each of~~ said remote mobile terminal[[s]] are stored in said data storing means ~~of each~~ of said remote mobile terminal[[s]] ~~or not~~ by managing vacant capacity ~~of each~~ of said remote mobile terminal[[s]],

wherein[[:]], when said judging means judged that said data requested by ~~each of~~ said remote mobile terminal[[s]] were not stored in said data storing means, said management server obtains some data in said data storing means ~~of each of~~ said remote mobile terminal[[s]] and stores said obtained data in said data memorizing means, and ~~lets~~ causes said data storing means to make new vacant capacity, and said management server transmits said data requested by ~~each of~~ said remote mobile terminal[[s]], which were judged not to be stored, to ~~each of~~ said remote mobile terminal[[s]] by using said new vacant capacity.

26. (Currently Amended) A management system for managing memory capacity, comprising:

a plurality of remote mobile terminals that communicate with each other via a

network; and

a management server that transmits data, ~~which each of said~~ wherein at least one of said plurality of remote mobile terminals ~~requested~~ requests said management server to obtain data from said network, for transmission to ~~each of said~~ remote mobile terminal[[s]],

wherein[[.]] ~~each of said~~ remote mobile terminal[[s]] ~~comprising~~ comprises:

a data storing means that stores data obtained from said network; and

a judging means that judges whether said data requested by ~~each of said~~ remote mobile terminal[[s]] are stored in said data storing means ~~or not~~ by

managing vacant capacity of ~~each of said~~ remote mobile terminal[[s]], and

wherein said management server[[.]] ~~comprising~~ comprises:

a data memorizing means that stores data from ~~each of said~~ remote mobile terminal[[s]],

wherein[[.]], when said judging means judged that said data requested by ~~each of said~~ remote mobile terminal[[s]] were not stored in said data storing means, said judging means makes said data memorizing means in said management server obtain some data in said data storing means of ~~each of said~~ remote mobile terminal[[s]], and lets said data storing means make new vacant capacity, and said judging means makes said management server transmit said data requested by ~~each of said~~ remote mobile terminal[[s]], which were judged not to be stored, to ~~each of said~~ remote mobile terminal[[s]] by using said new vacant capacity.

27. (Currently Amended) A management system for managing memory capacity in accordance with claim 25, wherein[[.]] each of said remote mobile terminals, further ~~comprising~~ comprises:

a data capacity renewing means that makes said vacant capacity of each of said remote mobile terminals, which is managed by said management server, renew, by transmitting its ~~own~~ said vacant capacity to said management server.

28. (Currently Amended) A management system for managing memory capacity in accordance with claim 27, wherein[[:]] said data capacity renewing means transmits said vacant capacity of each of said remote mobile terminals to said management server and makes said vacant capacity of each of said remote mobile terminals renew at the time of the location registration of each of said remote mobile terminals.